

What Is Claimed Is:

1. A nucleic acid molecule comprising the sequence shown in Fig. 1.
- 5 2. The nucleic acid molecule according to claim 1, which is the *HpYPSI* gene encoding *Hansenula polymorpha* yapsin1 (Accession No. KCTC 10285BP).
3. A polypeptide comprising the amino acid sequence shown in Fig.1.
- 10 4. The polypeptide according to claim 3, which is *Hansenula polymorpha* yapsin1 which can cleave a protein comprising a basic or dibasic amino acid residue.
5. The polypeptide according to claim 3, which is a secretion signal peptide of HpYPS1 polypeptide used as a secretion signal of a foreign protein.
- 15 6. A *Hansenula polymorpha* mutant strain having yapsin activity reduced by mutation of *HpYPSI* gene encoding *Hansenula polymorpha* yapsin1.
7. The *Hansenula polymorpha* mutant strain according to claim 6 deposited under
20 Accession No. KCTC 10281BP.

8. A recombinant *Hansenula polymorpha* strain expressing a foreign protein which is prepared by introducing a gene encoding the foreign protein to the *Hansenula polymorpha* mutant strain according to claim 6.

5 9. The recombinant *Hansenula polymorpha* strain according to claim 8, which is *hpyps1* Δ -pMOXhPTH (KCTC 10282BP).

10. The recombinant *Hansenula polymorpha* strain according to claim 8, which is *hpyps1* Δ -pYHSA12 (KCTC 10283BP).

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11. The recombinant *Hansenula polymorpha* strain according to claim 8, which is *hpyps1* Δ -pYHSA13-TIMP2 (KCTC 10485BP).

12. A process for preparing and isolating a foreign protein comprising expressing the
15 foreign protein using the *Hansenula polymorpha* yapsin1 deficient strain according to any one of claims 8 to 11 as a host.

13. The process according to claim 12, in which the foreign protein is a recombinant protein containing a basic or dibasic amino acid residue which can be cleaved by yapsin1.

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14. The process according to claim 13, in which the protein containing a basic or dibasic

amino acid residue comprises human parathyroid hormone, human serum albumin and albumin fusion protein.